

IN THE CLAIMS:

Amend the claims as indicated below.

1 Claims 1-15 (Canceled)

1 16. (currently amended) A method ~~of simultaneously receiving or switching~~
2 ~~between dual frequency carrier signals, in a system which comprises a sub-harmonic~~
3 ~~frequency generator, for generating a sub-harmonic frequency so as to enable harmonics~~
4 ~~of the sub-harmonic frequency to generate for generating~~ local oscillator frequency
5 signals for the dual frequency carrier signals, and for mixing the dual frequency carrier
6 signals with the local oscillator frequency signals, to generate distinct intermediate
7 frequency signals for each dual frequency carrier signal, wherein the local oscillator
8 frequency signals are adapted to include I and Q phases, and an image reject mixer, for
9 separating the dual frequency carrier signals, and for switching between the dual
10 frequency carrier signals responsive to exchanging the I and Q phases of the local
11 oscillator frequency signals, wherein the method comprises:
12 generating a sub-harmonic frequency so as to enable harmonics of the sub-
13 harmonic frequency to generate local oscillator frequency signals for the dual frequency
14 carrier signals, and mixing the dual frequency carrier signals with the local oscillator
15 frequency signals, to generate distinct intermediate frequency signals for each dual
16 frequency carrier signal; and
17 separating the dual frequency carrier signals, and switching between the dual
18 frequency carrier signals, responsive to exchanging I and Q phases of the local oscillator
19 frequency signals.

1 Claims 17-30 (canceled).